

**A REPORT OF THE AAWG
RECOMMENDATIONS FOR REGULATORY ACTION TO PREVENT
WIDESPREAD FATIGUE DAMAGE IN THE COMMERCIAL AIRPLANE FLEET**

LIST OF ABBREVIATIONS

The following abbreviations are used throughout this report

AATF	Airworthiness Assurance Task Force
AAWG	Airworthiness Assurance Working Group
AC	Advisory Circular (FAR)
ACJ	Advisory Circular (JAR)
AD	Airworthiness Directive
AECMA	Association des Entreprises de Construction Mécanique et Aéronautique
AIA	Aerospace Industries Association of America
ALI	Airworthiness Limitation Instructions
ARAC	Aviation Rulemaking Advisory Committee
ART	Authorities Review Team
ATA	Air Transport Association of America
CAA-UK	Civil Aviation Authority - United Kingdom
CTOA	Crack Tip Opening Angle
DGAC	Direction Générale de l'Aviation Civile
DSG	Design Service Goal
EIFS	Equivalent Initial Flaw Size
ESG	Extended Service Goal
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulation
GARTEUR	Group for Aeronautical Research and Technology in Europe
HMV	Heavy Maintenance Visit
IATA	International Air Transport Association
ICWFD	Industry Committee on Widespread Fatigue Damage
JAA	Joint Aviation Authorities
JAR	Joint Aviation Requirement
MED	Multiple Element Damage
MSD	Multiple Site Damage
NAARP	National Aging Aircraft Research Program
NDI	Non Destructive Inspection
NP	None Planned at this time
NPRM	Notice of Proposed Rulemaking
NTSB	National Transportation Safety Board
OEM	Original Equipment Manufacturer
PMI	Principal Maintenance Inspector (FAA)
POD	Probability of Detection
RS	Residual Strength
SAETG	Structural Audit Evaluation Task Group
SB	Service Bulletin
SDR	Service Difficulty Report (FAA)
SFAR	Special Federal Aviation Regulation
SIA	Structural Integrity Audit
SIF	Stress Intensity Factors
SMAAC	Structural Maintenance of Aging Aircraft
SSIP	Supplemental Structural Inspection Program
STC	Supplemental Type Certificate
STG	Structures Task Group
TAEIG	Transport Airplane and Engines Issues Group
TARC	Technical Advisory Regulatory Committee
TC	Type Certification
TOGAA	Technical Oversight Group RE: Aging Aircraft
WFD	Widespread Fatigue Damage